1st Qtr-
2013

COTTENWOOD HILLS GAS COLLECTION SYSTEM
WORKSHEET FOR NSPS MONITORING
REQUIREMENTS FOR QUARTERLY SURFACE MONITORING POTENTIAL METHANE CONCENTRATIONS AT LANDFILL SURFACE

INSTRUMENT: FOXBORO, TVA-1000B FLAME IONIZATION DETECTOR FOR TOXIC GAS VAPOR ANALYZING

MODEL: AB2BFAZ S# 30987664 I.D.# 1505

CALIBRATION GAS: 1000 PPM METHANE GAS CONCENTRATION
400 PPM ON EXCEEDANCE TESTING

INSTRUMENT TRAINING: OPERATION/ CALIBRATION

PROVIDED BY FOXBORO VIDEO AND O'BRIEN ENVIRONMENTAL CORP.

MONITORING METHOD:

CALIBRATE

ESTABLISH BACKGROUND CH4 CONCENTRATION LEVEL
UPWIND AND DOWNWIND OUTSIDE OF LANDFILL BOUNDARY, 30m FROM PERIMETER WELLS

EXCEEDANCE LEVEL IS 500 PPM, RECORDED AND MARKED LOCATIONS

COVER PERIMETER OF COLLECTION AREA AND FOLLOW SERPENTINE PATTERN
AT 30m INTERVALS, BISECTING DISTANCE BETWEEN WELLS TO VERIFY ROI EFFICIENCY

PROBE DISTANCE TO SURFACE: 5-10 cm OR TOP OF VEGETATION
METER READINGS TO HIGHEST PPM LOCATION AND HOLD FOR TWICE THE INSTRUMENTS RESPONSE TIME.

SEE ATTACHMENT MAP FOR SITE WALK PATTERN.

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REQUIREMENTS FOR QUARTERLY SURFACE MONITORING POTENTIAL METHANE CONCENTRATIONS AT LANDFILL SURFACE

DATE: 3-15-13 TEMP. 40°

TIME: 10°° WIND DIRECTION West.

TECHNICIAN D Yeaman SITE CONDITIONS Wet

INSTRUMENT CALIBRATED (YES) / NO

BACKGROUND LIMIT PPM N. .45 S .65 E. 1.2 W. .85

RECORDED EXCEEDANCES:

ITEM 1. Found Nothing over- 100 PPM. PPM

2. PPM

3. PPM

4. PPM

MAINTENANCE OR ADJUSTMENTS TO BE MADE.

ITEM 1. PPM

2. PPM

3. PPM

4. PPM

2ND EXCEEDANCE CHECK (WITHIN 10 CALENDAR DAYS) REMONITORING RESULTS.

ITEM 1. PPM

2. PPM

3. PPM

4. PPM

3RD EXCEEDANCE CHECK (WITHIN 20 CALENDAR DAYS) REMONITORING RESULTS.

ITEM 1. _____ PPM

2. _____ PPM

3. _____ PPM

4. _____ PPM

ADDITIONAL CONTROL MEASURES TO BE TAKEN

ITEM 1. _____ PPM

2. _____ PPM

3. _____ PPM

4. _____ PPM

REMONITORING RESULTS (FOR EXCEEDANCES < 500 PPM DURING 2ND,OR 3RD REMONITORING EVENTS) WITHIN 1 MONTH OF INITIAL EXCEEDANCE.

ITEM 1. _____ PPM

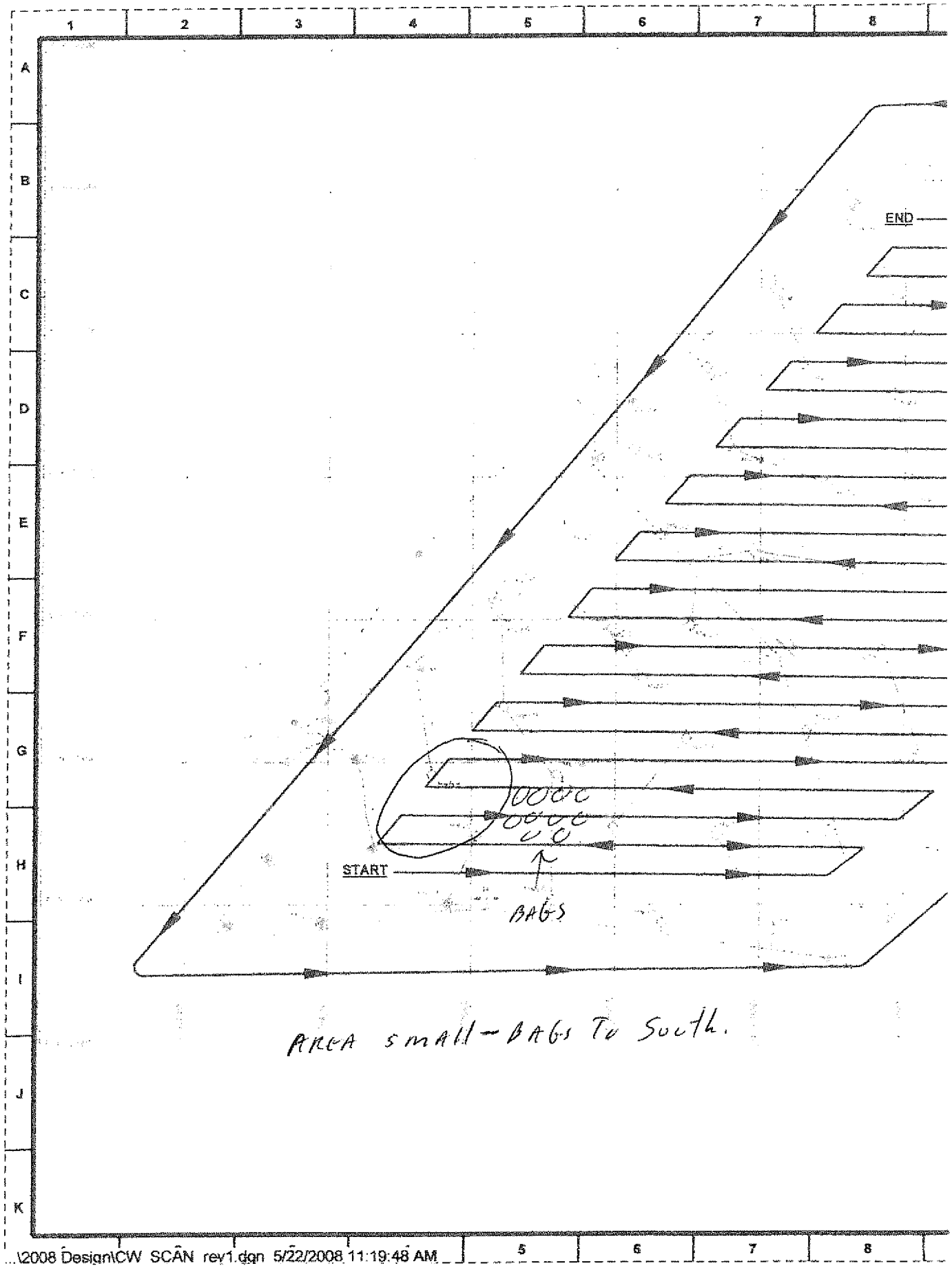
2. _____ PPM

3. _____ PPM

4. _____ PPM

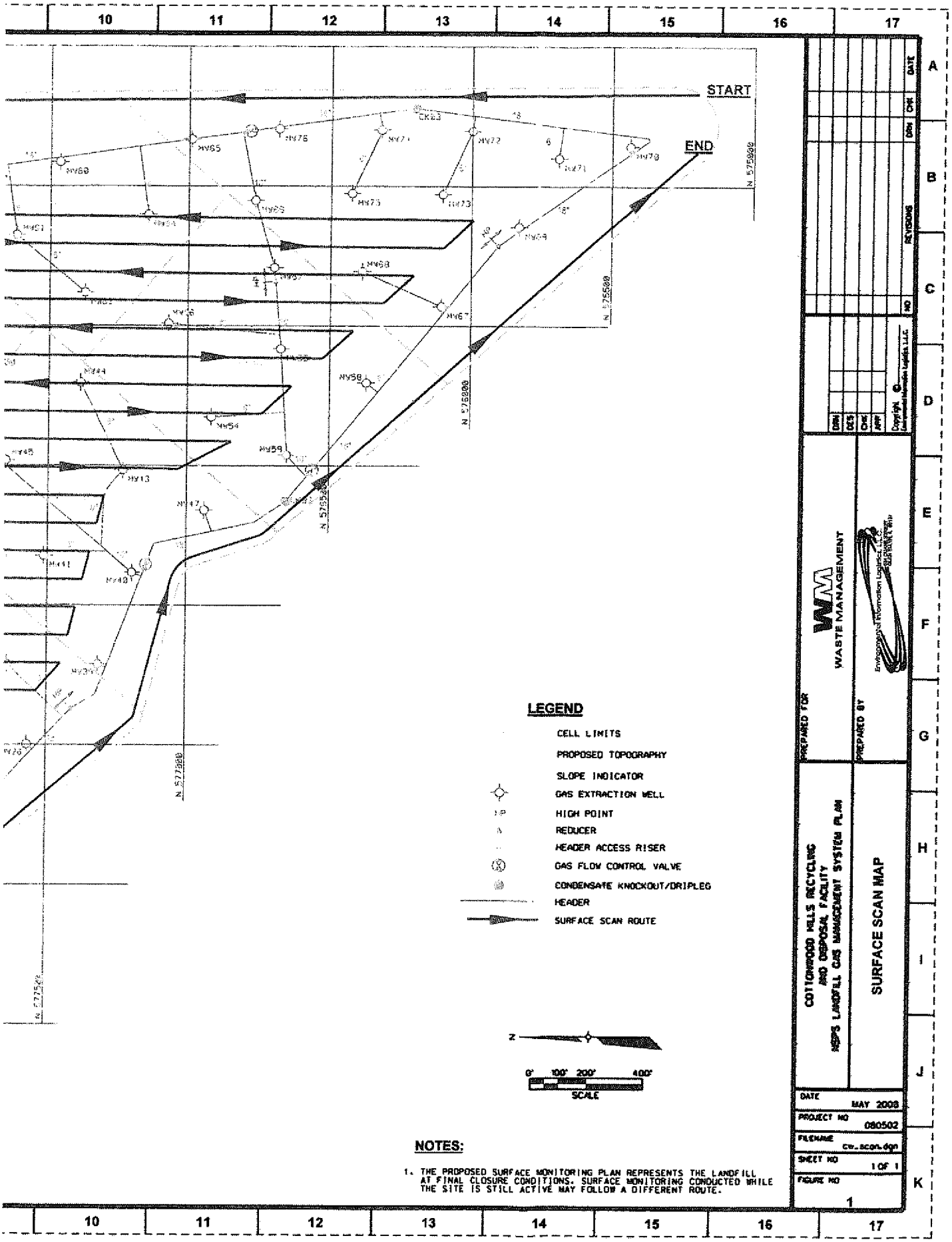
COMMENTS: Small Area. on Top- 1/2 area has Big Black Balls

REVIEWED BY: _____ DATE: _____



AREA small - BAGS To South.

Cotton wood


START
END
LEGEND
CELL LIMITS
PROPOSED TOPOGRAPHY
SLOPE INDICATOR
GAS EXTRACTION WELL
HIGH POINT
REDUCER
HEADER ACCESS RISER
GAS FLOW CONTROL VALVE
CONDENSATE KNOCKOUT/DRIPLEG
HEADER
SURFACE SCAN ROUTE
0' 100' 200' 400'
SCALE
NOTES:
1. THE PROPOSED SURFACE MONITORING PLAN REPRESENTS THE LANDFILL AT FINAL CLOSURE CONDITIONS. SURFACE MONITORING CONDUCTED WHILE THE SITE IS STILL ACTIVE MAY FOLLOW A DIFFERENT ROUTE.
COTTONWOOD HILLS RECYCLING AND DISPOSAL FACILITY
MSW LANDFILL GAS MANAGEMENT SYSTEM PLAN
SURFACE SCAN MAP
PREPARED FOR
WASTE MANAGEMENT
PREPARED BY
DATE
MAY 2008
PROJECT NO
080502
FILENAME
cw_scan.dgn
SHEET NO
1 OF 1
FIGURE NO
1